FIG.1

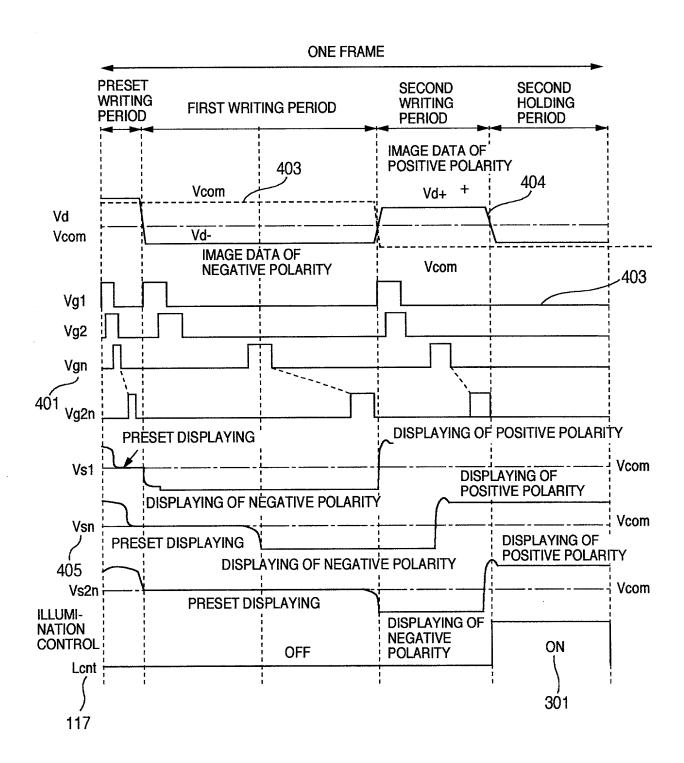


FIG.2A

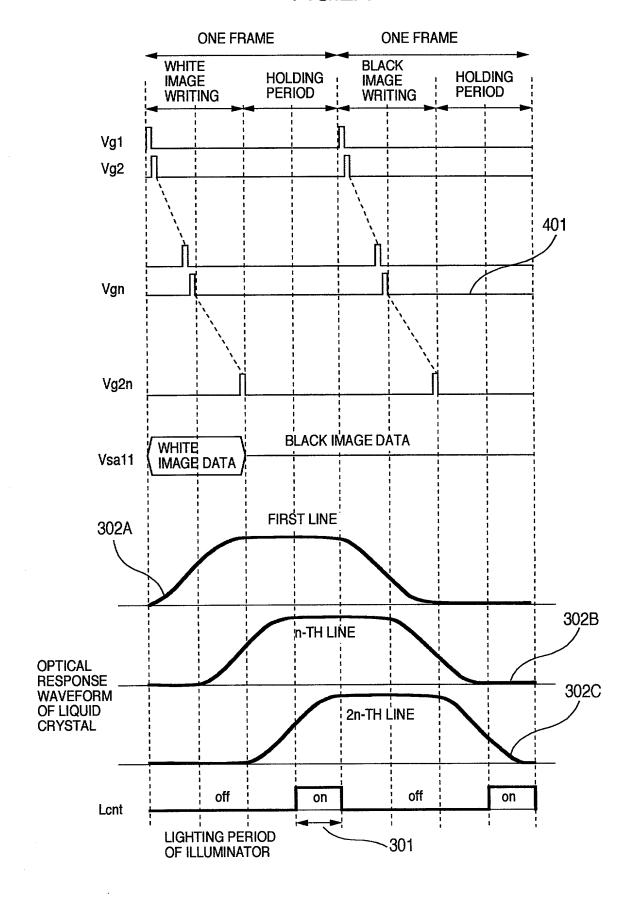


FIG.2B

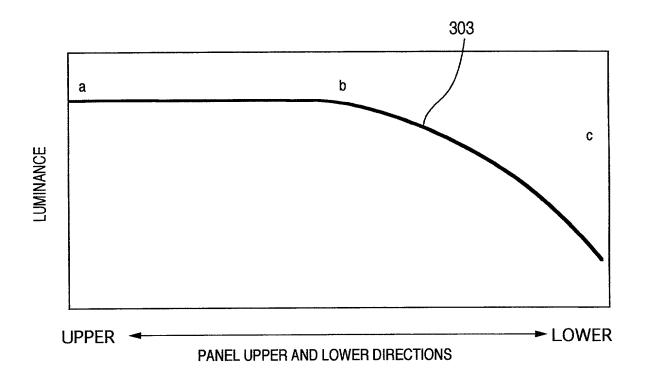


FIG.3

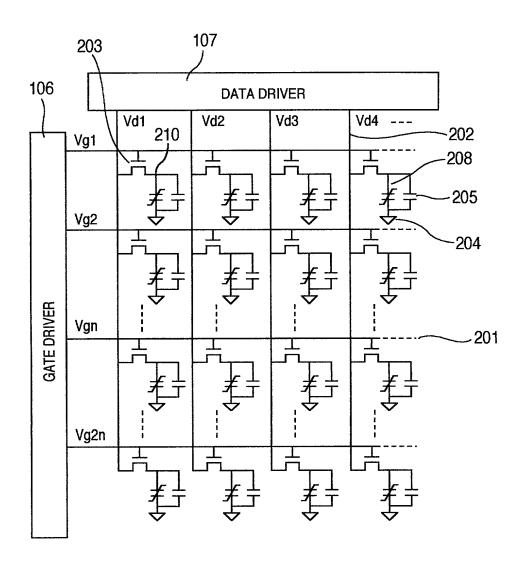


FIG.4A

	FIRST	SECOND	THIRD		FOURTH	SIXTH		b-1 COLUMN	b
FIRST LINE	COLUMN	COLUMN	COLUMN	COLOMIN	COLUMIN	COLUMIN	<u></u>	COLUMN	COLUMN
THIO! LINE			_						
		:							
n-3-TH LINE			_						
n-2-TH LINE		_	-	_					
n-1-TH LINE				_		—			
n-TH LINE				_	_			_	
n+1-TH LINE									_
n+2-TH LINE					_				
n+3-TH LINE									
2n-TH LINE						_			
				I					FRAME
						†		ODD	TIBUVIL
				↓				EVEN	FRAME
FIRST LINE	-	1 .							
		+	十	+	一 十	+		+	+ 1
		+	+	+	+	+			
		 - -	+	+	+	+			
n-3-TH LINE	+		•	-				+	+
n-3-TH LINE n-2-TH LINE	+	+	+	+	+	+		+	+
	+		•	-		+		+	+
n-2-TH LINE		+ + +	+	+ +	+	+		+ + +	+ + + + +
n-2-TH LINE n-1-TH LINE	+ + + +	++	+ + +	+ + +	+ + +	+ + + +		+ + + +	+ + + +
n-2-TH LINE n-1-TH LINE n-TH LINE n+1-TH LINE	+ + + + + +	+++++++	+ + + + +	+ + + + +	++++++	+ + + + +		+ + + + +	+ + + + +
n-2-TH LINE n-1-TH LINE n-TH LINE n+1-TH LINE n+2-TH LINE	+ + + + + +	+ + + + + +	+ + + + + + +	+ + + + +	+ + + + +	+ + + + + +		+ + + + + +	+ + + +
n-2-TH LINE n-1-TH LINE n-TH LINE n+1-TH LINE	+ + + + + +	+ + + + + + +	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +		+ + + + + +	+ + + + + +
n-2-TH LINE n-1-TH LINE n-TH LINE n+1-TH LINE n+2-TH LINE	+ + + + + +	+ + + + + + +	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +		+ + + + + +	+ + + + + +

FIG.4B

	FIRST COLUMN	SECOND COLUMN	THIRD COLUMN	FIFTH COLUMN	FOURTH COLUMN	SIXTH COLUMN	b-1 COLUMN	b COLUMN
FIRST LINE	_		_	_			_	
n-3-TH LINE								
n-2-TH LINE	+	+	+	+	+	+		+
n-1-TH LINE	-	I	1	<u> </u>			 <u> </u>	
n-TH LINE	+	+	+	+	+	+	4	-
n+1-TH LINE		1	ł	1	1	1	<u> </u>	1
n+2-TH LINE	+						+	+
n+3-TH LINE		+	<u> </u>	+	+	+		<u> </u>
IITO-III LIIVL								
O- THE !					•			
2n-TH LINE	<u> </u>	+	+	+		+	<u> </u>	
						†	ODD	FRAME
					1			
					↓		C)/C)	! CDANAC
E/DOT LINE				1	+		 	I FRAME
FIRST LINE	+	+	+	+	+	+	EVEN	N FRAME
FIRST LINE	+	+	+	+	+	+		
		+	+	+	+	+		
FIRST LINE		+	+	+	+	+ + +		
							+	+
n-3-TH LINE	+						+	+
n-3-TH LINE n-2-TH LINE	+	+	+	+	+	+	+	+
n-3-TH LINE n-2-TH LINE n-1-TH LINE	+ + + + + + + + + + + + + + + + + + + +	+	+	+	+	+	+	+
n-3-TH LINE n-2-TH LINE n-1-TH LINE n-TH LINE	+ + + + + + +	+ + +	+ - +	+ + + -	+ + + -	+ - +	+ - + +	+ - + + - +
n-3-TH LINE n-2-TH LINE n-1-TH LINE n-TH LINE n+1-TH LINE	+ + + + + + + + + + + + + + + + + + + +	+ + +	+ - +	+ + + -	+ + + -	+ - +	+ - + +	+ - + + - +
n-3-TH LINE n-2-TH LINE n-1-TH LINE n-TH LINE n+1-TH LINE n+2-TH LINE	+ + + + + + + + + + + + + + + + + + + +	+ - +	+ + + + + - +	+ + + + + + + + + + + + + + + + + + + +	+ + + + - +	+ + + + +	+ - + - +	+ - + - + - + - + + + +
n-3-TH LINE n-2-TH LINE n-1-TH LINE n-TH LINE n+1-TH LINE n+2-TH LINE	+ + + + + + + + + + + + + + + + + + + +	+ - +	+ + + + + - +	+ + + + + + + + + + + + + + + + + + + +	+ + + + - +	+ + + + +	+ - + - +	+ - + - + - + - + + + +

FIG.4C

F	FIRST S	SECOND COLUMN	THIRD I	FIFTH COLUMN	FOURTH COLUMN	SIXTH COLUMN	b-1 COLUMN	b COLUMN
FIRST LINE		+		+		+		+
a-3-TH LINE		+		+		+		+
a-2-TH LINE		+		+		+		+
a-1-TH LINE		+		+		+		+
a-TH LINE		+		+		+	_	+
a+1-TH LINE	_	+		+		+		+
a+2-TH LINE		+	_	+		+		+
a+3-TH LINE		+	—	+		+		+
2a-TH LINE		+		+		+		<u> </u>
								FRAME
FIRST LINE			+		\ \ \ \	<u> </u>		
FIRST LINE			+		+		EVEN	
FIRST LINE a-3-TH LINE	+		+		+		EVEN	
a-3-TH LINE a-2-TH LINE	++		+++		++++		EVEN	
a-3-TH LINE	+++++		+++++		+++++++++++++++++++++++++++++++++++++++		EVEN + + + + + + + + + + + + + + + + + + +	
a-3-TH LINE a-2-TH LINE	+++++++++++++++++++++++++++++++++++++++		+ + + + +		+++++++++++++++++++++++++++++++++++++++		EVEN	
a-3-TH LINE a-2-TH LINE a-1-TH LINE	+ + + + + +		+ + + + + +		+ + + + + +		EVEN + + + + + + + + + + + + + + + + + + +	
a-3-TH LINE a-2-TH LINE a-1-TH LINE a-TH LINE	+ + + + + +		+ + + + + +		+ + + + + + +		EVEN + + + + + + + + + +	
a-3-TH LINE a-2-TH LINE a-1-TH LINE a-TH LINE a+1-TH LINE	+ + + + + +		+ + + + + +		+ + + + + +		EVEN + + + + + + + + + + + + + + + + + + +	
a-3-TH LINE a-2-TH LINE a-1-TH LINE a-TH LINE a+1-TH LINE a+2-TH LINE	+ + + + + +		+ + + + + +		+ + + + + + +		EVEN + + + + + + + + + +	

FIG.4D

	FIRST COLUMN	SECOND COLUMN	THIRD COLUMN	FIFTH COLUMN	FOURTH COLUMN	SIXTH COLUMN		b-1 COLUMN	b COLUMN
FIRST LINE		+		+	_	+			+
n-3-TH LINE		+		+		+			+
n-2-TH LINE	+		+		+			+	
n-1-TH LINE		+		+_		+			+
n-TH LINE			+		+			+	
n+1-TH LINE		+		+		+			+
n+2-TH LINE	<u>+</u>		+	_	+			+	
n+3-TH LINE		+		+		+			+
2n-TH LINE	<u>+</u>		+		+			<u> </u>	
						_		ΔDD	
									FRAME I FRAME
FIRST LINE	<u> </u>		+		+	 	<u> </u>		
	+		+		+			EVEN	
FIRST LINE	+		+		+			EVEN	
			+		+	- - +		EVEN	
n-3-TH LINE		 	+ - +		+	 +		EVEN	I FRAME
n-3-TH LINE n-2-TH LINE	+	 	+	— + —	+	- - + - +		EVEN	I FRAME
n-3-TH LINE n-2-TH LINE n-1-TH LINE	+	-	+		+	+		EVEN	FRAME
n-3-TH LINE n-2-TH LINE n-1-TH LINE n-TH LINE	+ - + +	-	+ - + - +		+ - + +			EVEN + - + - + - + + + +	FRAME — — — — —
n-3-TH LINE n-2-TH LINE n-1-TH LINE n-TH LINE n+1-TH LINE	+ - + +	+	+ - +	+	+ + -	+		EVEN + - + - + +	FRAME
n-3-TH LINE n-2-TH LINE n-1-TH LINE n-TH LINE n+1-TH LINE n+2-TH LINE	+ - + - +	+	+ - + - +	+	+ - + +	+		EVEN + - + - + - + + + +	FRAME

FIG.5

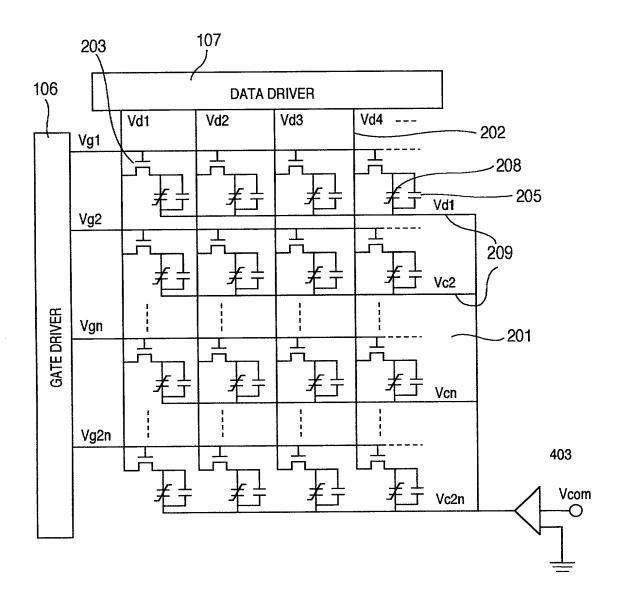


FIG.6

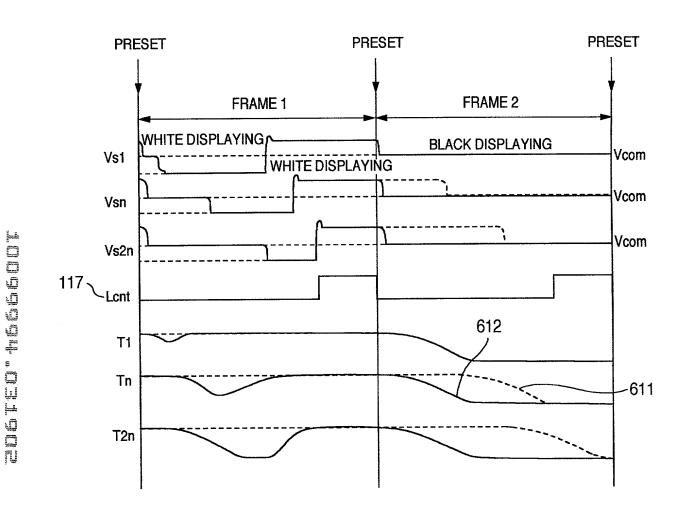


FIG.7

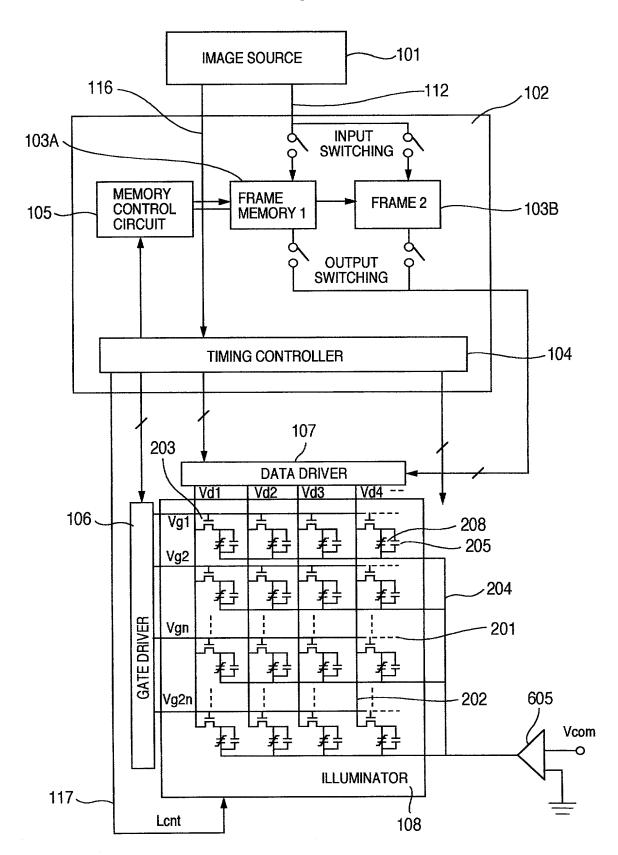


FIG.8

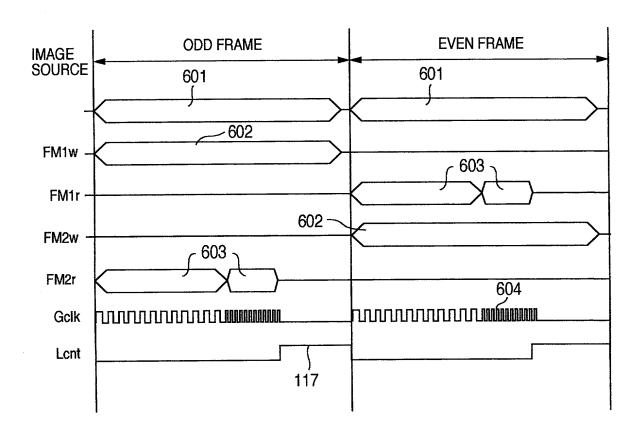


FIG.9

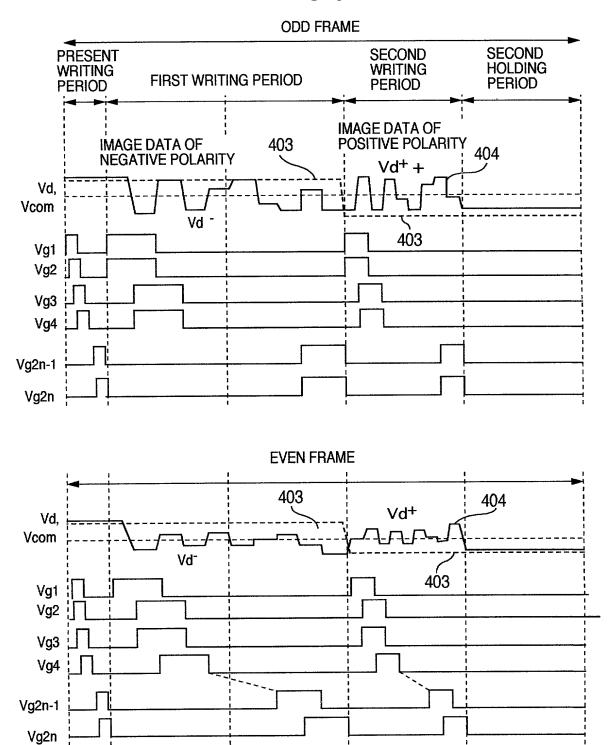


FIG.10A

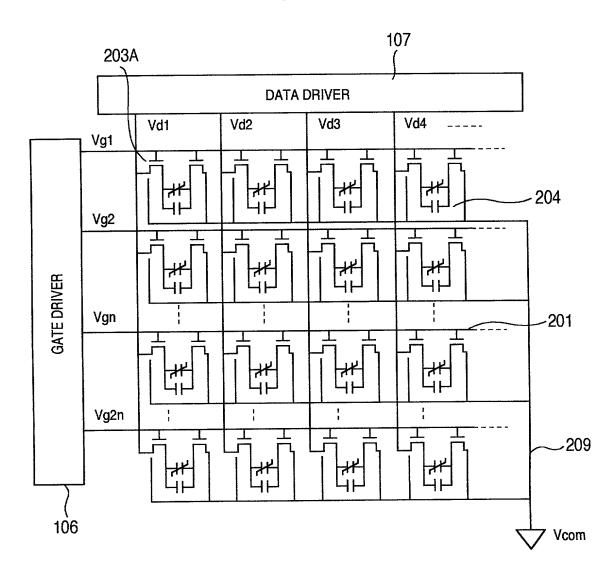


FIG.10B

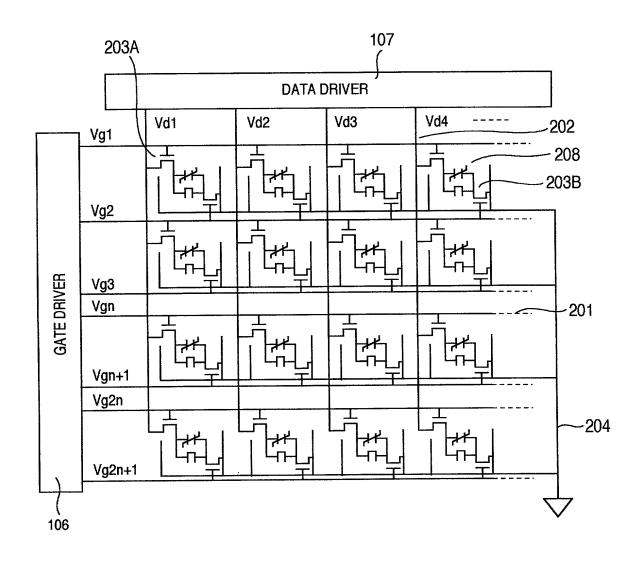


FIG.11

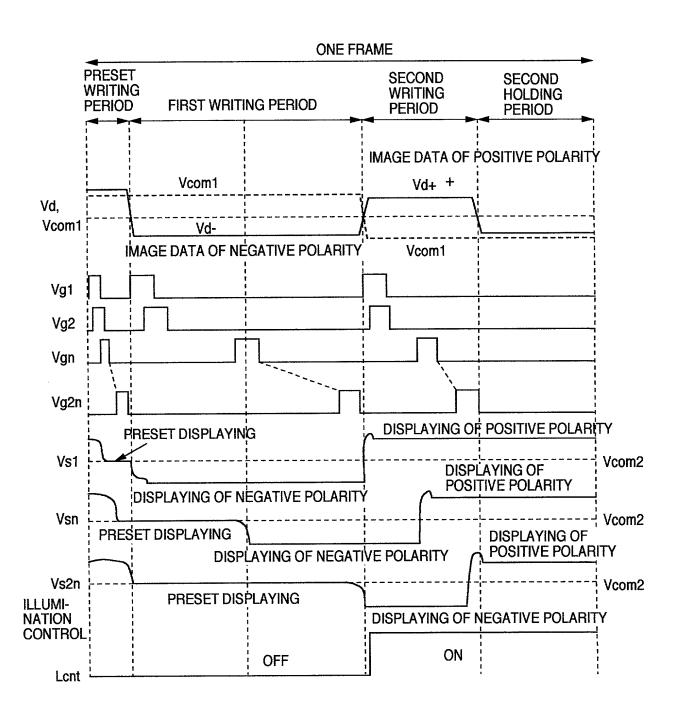


FIG.12

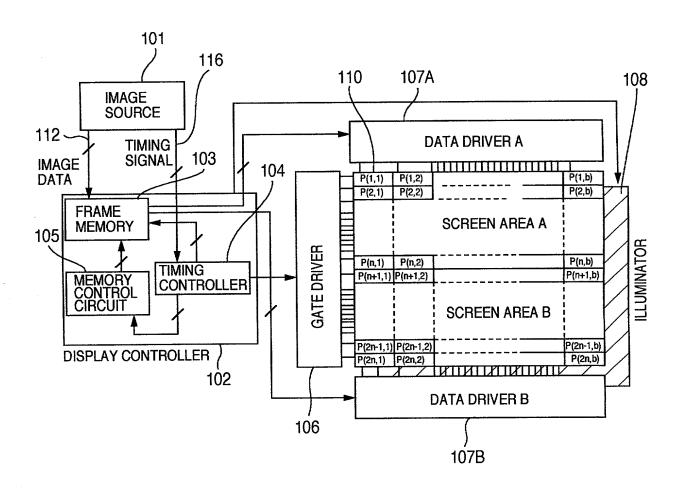


FIG.13

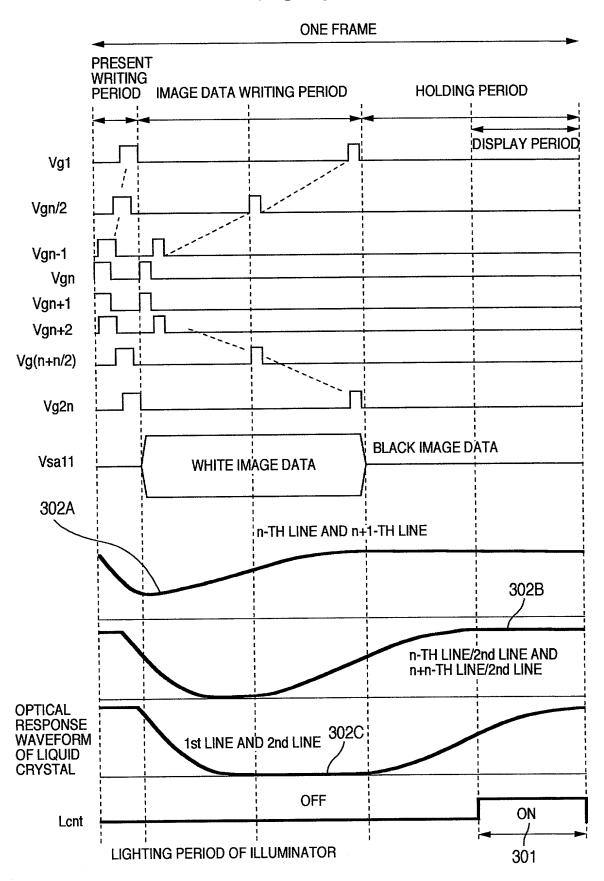


FIG.14

MEMORY A	DDRESS AND	WRITTEN IM	AGE SIGNAL		112 115	
M(1,1)	M(1,2)	M(1,3)	M(1,4)	M(1,5)	M(1,6)	M(1,b)
D(1,1)	D(1,2)	D(1,3)	D(1,4)	D(1,5)	D(1,6)	D(1,b)
M(2,1)	M(2,2)	M(2,3)	M(2,4)	M(2,5)	M(2,6)	M(2,b)
D(2,1)	D(2,2)	D(2,3)	D(2,4)	D(2,5)	D(2,6)	D(2,b)
1						
M(n,1)	M(n,2)	M(n,3)	M(n,4)	M(n,5)	M(n,6)	M(n,b)
D(n,1)	D(n,2)	D(n,3)	D(n,4)	D(n,5)	D(n,6)	D(n,b)
M(n+1,1)	M(n+1,2)	M(n+1,3)	M(n+1,4)	M(n+1,5)	M(n+1,6)	M(n+1,b)
D(n+1,1)	D(n+1,2)	D(n+1,3)	D(n+1,4)	D(n+1,5)	D(n+1,6)	D(n+1,b)
M(n+2,1)	M(n+2,2)	M(n+2,3)	M(n+2,4)	M(n+2,5)	M(n+2,6)	M(n+2,b)
D(n+2,1)	D(n+2,2)	D(n+2,3)	D(n+2,4)	D(n+2,5)	D(n+2,6)	D(n+2,b)
M(2n,1)	M(2n,2)	M(2n,3)	M(2n,4)	M(2n,5)	M(2n,6)	M(2n,b)
D(2n,1)	D(2n,2)	D(2n,3)	D(2n,4)	D(2n,5)	D(2n,6)	D(2n,b)

FIG.15

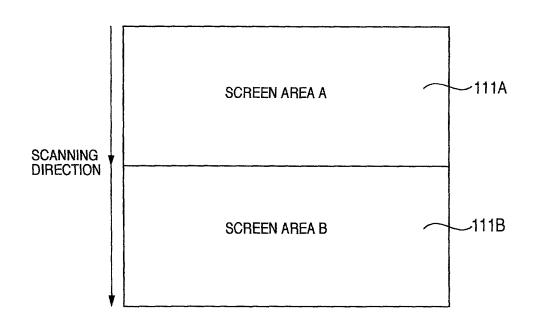


FIG.16

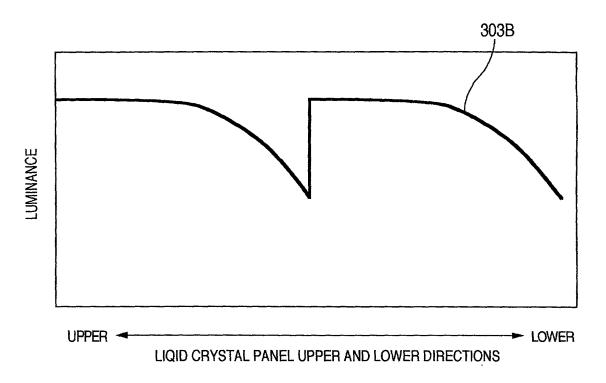
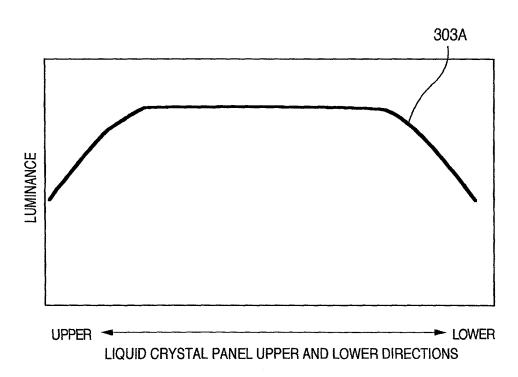


FIG.17



-205 -202 -204 48 **ILLUMINATOR** DATA DRIVER 107 203 **GATE DRIVER 1**04 102 TIMING DISPLAY CONTROLLER TIMING SIGNAL IMAGE SOURCE 133 FRAME MEMORY IMAGE DATA

FIG.18

FIG.19

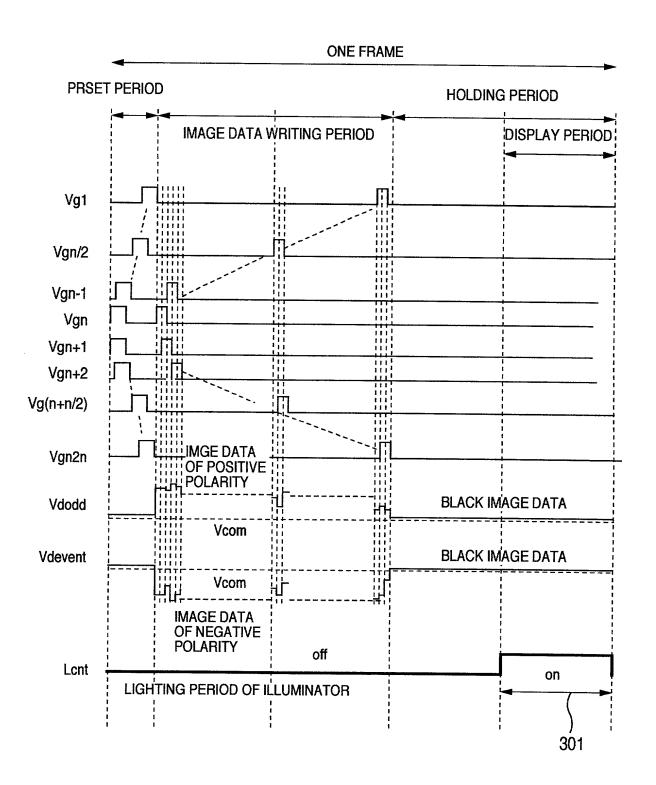


FIG.20

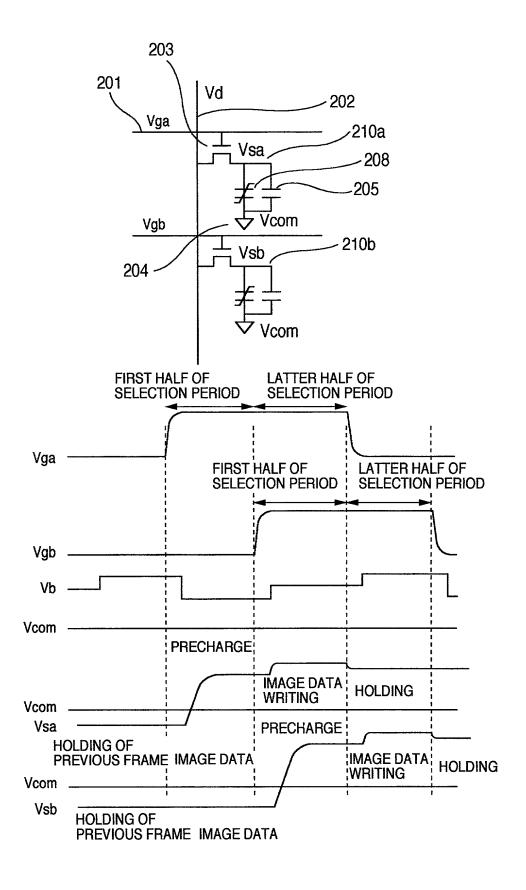
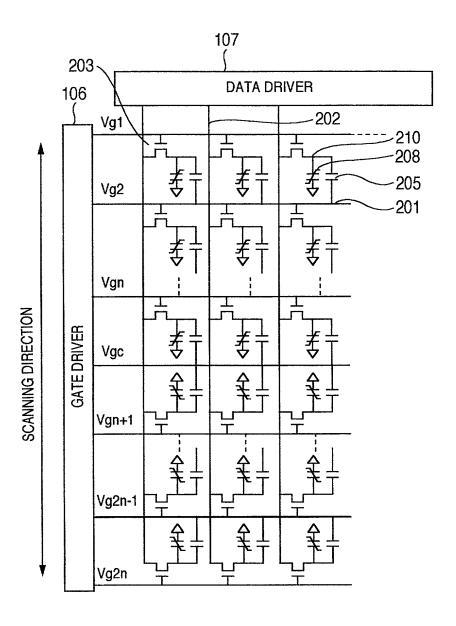


FIG.21



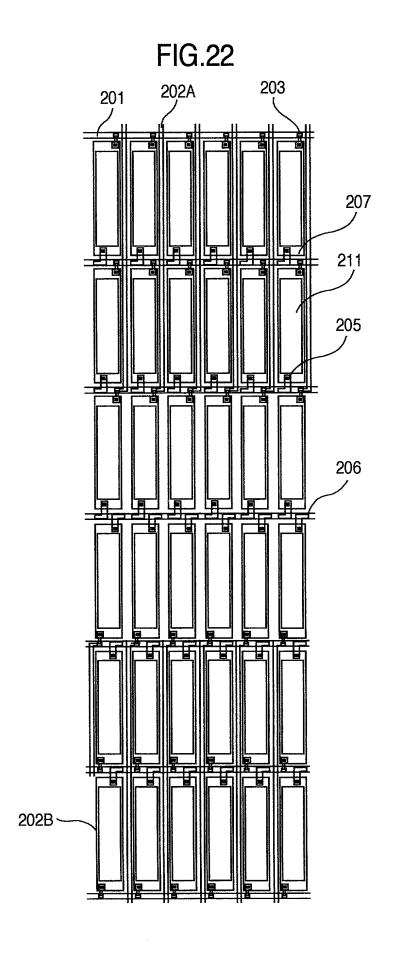


FIG.23

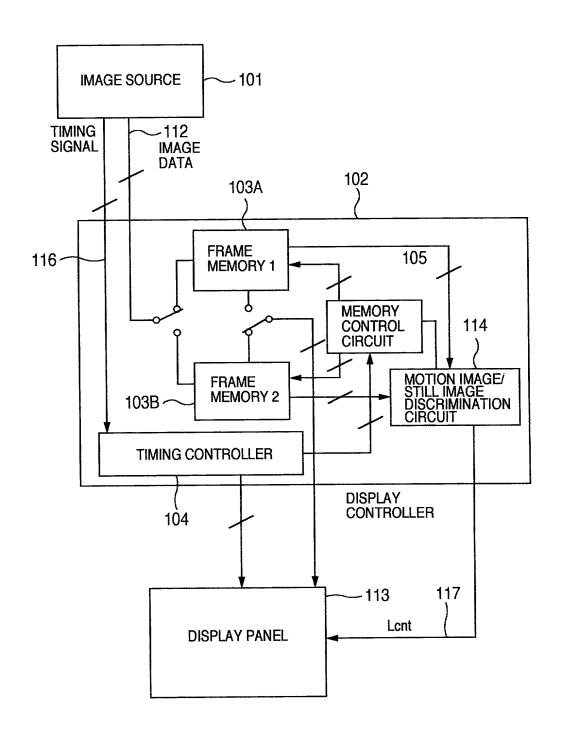


FIG.24

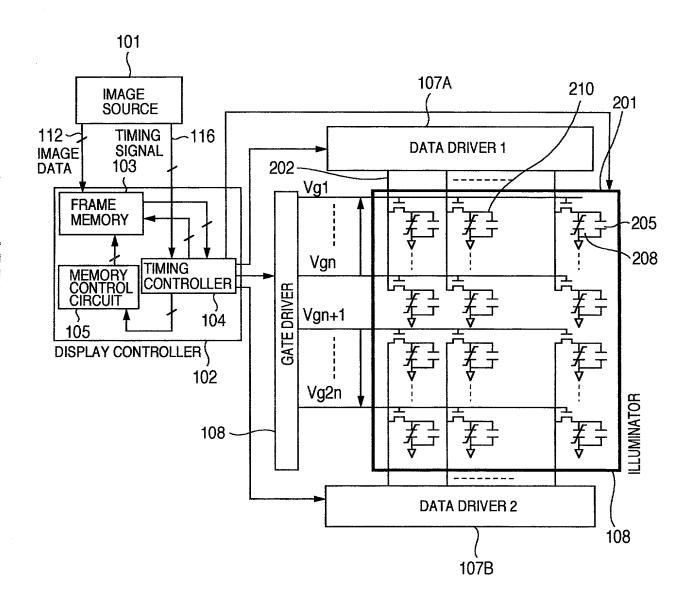


FIG.25

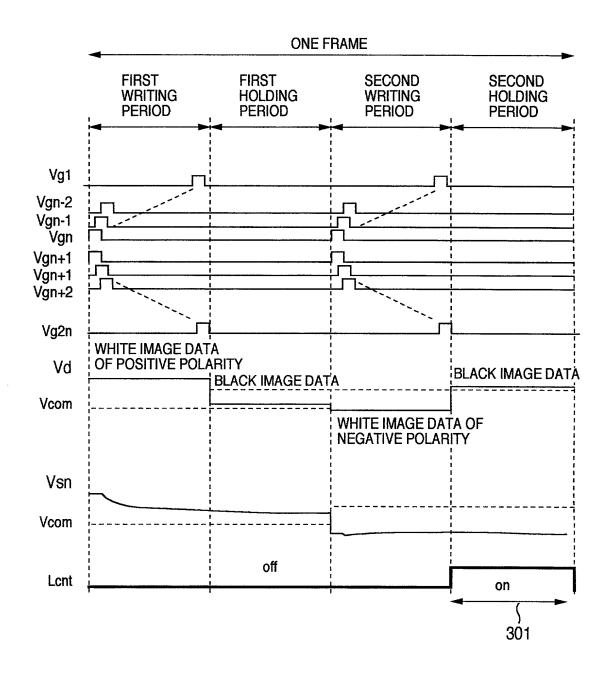


FIG.26

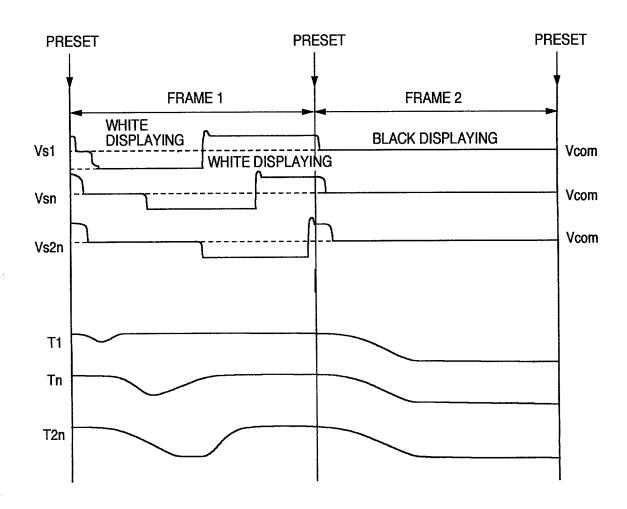


FIG.27A

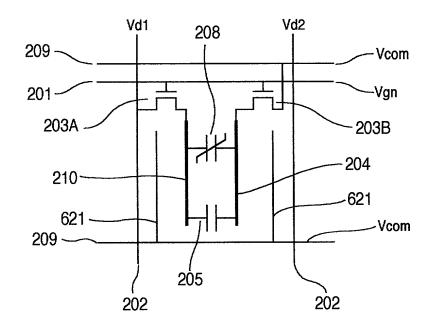


FIG.27B

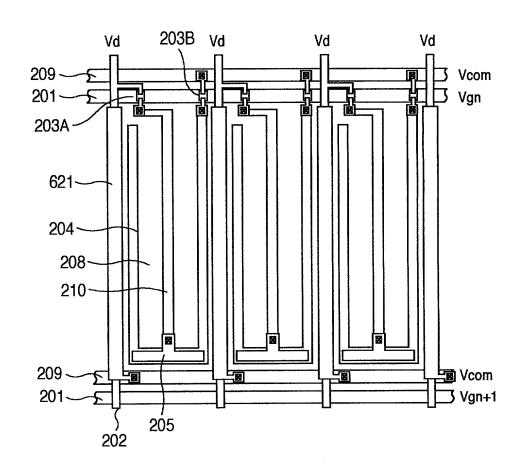


FIG.28A

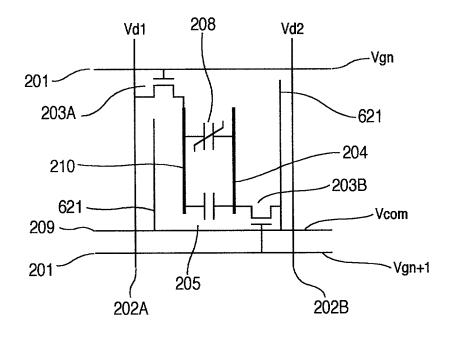


FIG.28B

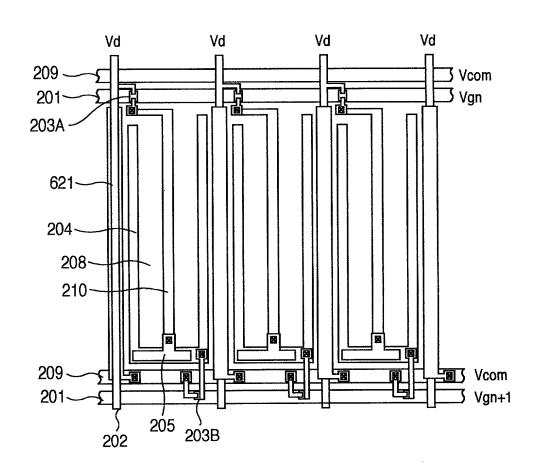


FIG.29

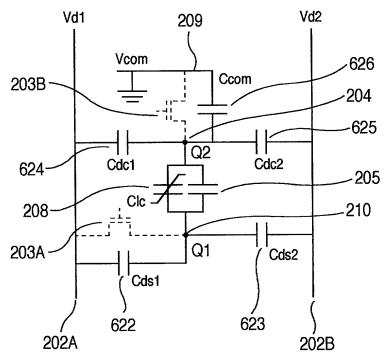
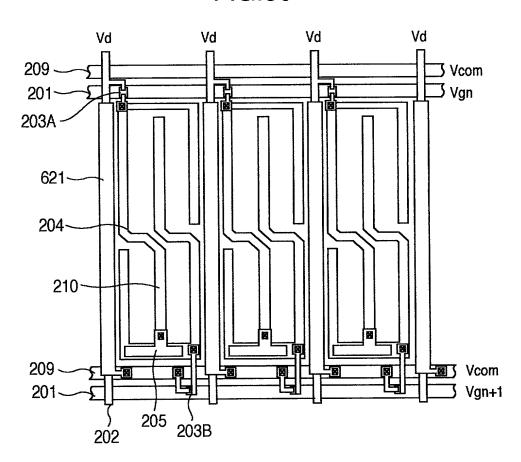


FIG.30



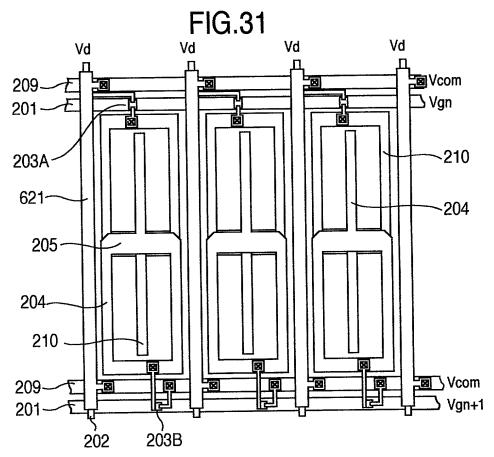
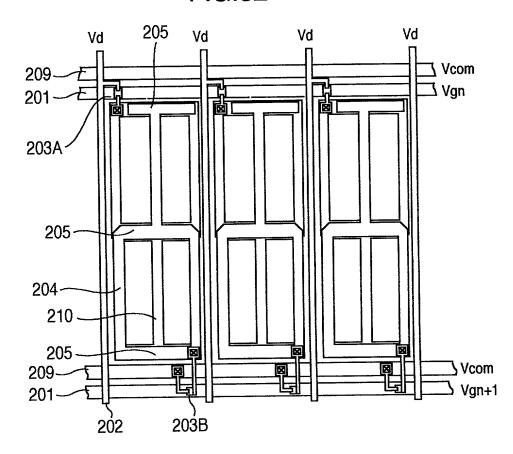
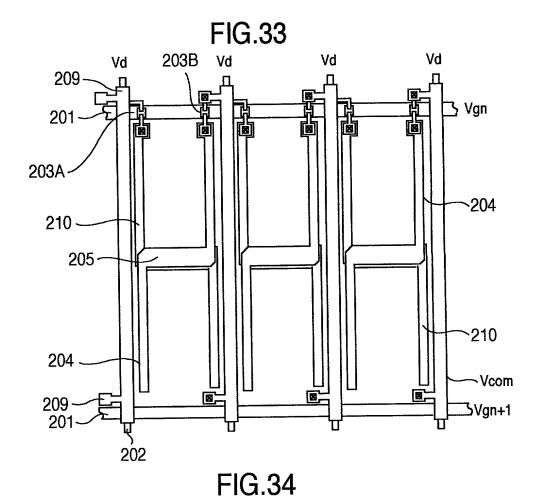


FIG.32





203B Vd VdVd Vd 209 ₹Vcom 3 _{Vgn} 201 203A 205 204 208 210-₩ Vcom 209-201⁻ 3 Vgn+1 202